

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A recording medium, comprising:
a data area including at least two data sections; and
a linking area to link neighboring data sections, the linking area including at least two frame sync signals and dummy data.
2. (Original) The recording medium of claim 1, wherein the dummy data improves reproduction compatibility between the recording medium and at least one other recording media type.
3. (Original) The recording medium of claim 2, wherein the at least one other recording media type is a write-once or rewritable type.
4. (Currently Amended) The recording medium of claim 1, wherein the dummy data is located in ~~a~~ an area of the linking area reserved for user data.
5. (Currently Amended) The recording medium of claim 1, wherein the linking area includes at least two linking frames, the at least two linking frames having a same size.
6. (Currently Amended) The recording medium of claim 5, wherein ~~each of the~~ at least two linking frames include a ~~includes the same~~ frame pattern of dummy data.
7. (Currently Amended) The recording medium of claim 6, wherein the same frame

pattern of dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, ~~or~~ and “FFh”.

8. (Currently Amended) The recording medium of claim 6, further comprising at least one other linking area including a ~~wherein subsequent and/or preceding linking areas include the same~~ area pattern of dummy data as the linking area.

9. (Currently Amended) The recording medium of claim 6, further comprising at least one other linking area including an ~~wherein subsequent and/or preceding linking areas include different patterns~~ area pattern of dummy data different from the linking area.

10. (Currently Amended) The recording medium of claim 5, wherein ~~each of the~~ at least two linking frames include ~~includes different~~ frame patterns of dummy data.

11. (Currently Amended) The recording medium of claim 10, further comprising at least one other linking area including a ~~wherein subsequent and/or preceding linking areas include the same~~ area pattern of dummy data as the linking area.

12. (Currently Amended) The recording medium of claim 10, further comprising at least on other linking area including an ~~wherein subsequent and/or preceding linking areas include different~~ area pattern ~~patterns of dummy data~~ different from the linking area.

13. (Currently Amended) The recording medium of claim 10, wherein each of the different frame patterns ~~pattern of~~ dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, ~~or~~ and “FFh”.

14. (Currently Amended) The recording medium of claim 10, wherein one of the different frame patterns is ~~each of two linking frames includes patterns of~~ “08h” and another of the different frame patterns is followed by “00h”.

15. (Currently Amended) A method of forming a recording medium, comprising:

forming a linking area to link neighboring data sections of a data area while recording data onto the recording medium, the linking area including at least two linking frames; and
writing at least one frame sync signal and dummy data in each linking frame of in the
linking area to link the neighboring data sections.

16. (Currently Amended) The method of claim 15, wherein the writing step writes the dummy data with a same size between the recording medium and at least one other recording media type~~the linking area includes at least two linking frames.~~

17. (Currently Amended) The method of claim ~~16~~ 15, wherein ~~each of the~~ at least two linking frames include a ~~includes the same frame pattern of~~ dummy data.

18. (Currently Amended) The method of claim 17, wherein the same frame pattern of dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, ~~or~~ and “FFh”.

19. (Currently Amended) The method of claim ~~16~~ 15, wherein ~~each of the~~ at least two linking frames include ~~includes different frame patterns of~~ dummy data.

20. (Currently Amended) The method of claim 19, wherein forming step forms at least one other linking area including a subsequent and/or preceding linking areas include the same area pattern of dummy data as the linking area.

21. (Currently Amended) The method of claim 19, wherein each of the different frame patterns ~~the pattern of dummy data is~~ at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, ~~or~~ and “FFh”.

22. (Currently Amended) The method of claim 19, wherein one of the different frame patterns is each of two linking frames includes patterns of “08h” and another of the different frame patterns is followed by “00h”.

23. (Currently Amended) A method of reproducing data from a recording medium, comprising:

utilizing a linking area, ~~including dummy data~~, which links neighboring data sections of a data area, to reproduce the data, the linking area including at least two linking frames, each linking frame including at least one frame sync signal and dummy data.

24. – 30. (Cancelled)

31. (Currently Amended) A method of recording data on a recording medium, comprising:

utilizing a linking area, ~~including dummy data~~, which links neighboring data sections of a data area, to record the data, the linking area including at least two linking frames, each linking frame including at least one frame sync signal and dummy data.

32. (Currently Amended) The method of claim 31, wherein the utilizing step includes writing the dummy data with a same size between the recording medium and at least one other recording media type~~linking area includes at least two linking frames.~~

33. (Currently Amended) The method of claim ~~32~~ 31, wherein ~~each of the~~ at least two linking frames include a ~~includes the same~~ frame pattern of dummy data.

34. (Currently Amended) The method of claim 33, wherein the same frame pattern of dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, and ~~or~~ “FFh”.

35. (Currently Amended) The method of claim ~~33~~ 31, wherein ~~each of the~~ at least two linking frames include ~~includes different~~ frame patterns of dummy data.

36. (Currently Amended) The method of claim 35, wherein at least one other linking area on the recording medium includes a subsequent and/or preceding linking areas include the same area pattern of dummy data as the linking area.

37. (Currently Amended) The method of claim 35, wherein each of the different frame patterns ~~pattern~~ of dummy data is at least one of “00h”, “01h”, “10h”, “08h”, “AAh”, ~~or~~ and “FFh”.

38. (Currently Amended) The method of claim 35, wherein one of the different patterns of dummy data is ~~each of two linking frames includes patterns of “08h” and another of the different patterns of data is followed by “00h”.~~

39. (Currently Amended) An apparatus for reproducing data from a recording medium comprising:

an optical pickup reading a linking area, which links neighboring data sections of a data area, to reproduce data, the linking area including at least two linking frames, each linking frame ~~, said apparatus utilizing a linking area, including at least one frame sync signal and dummy data;~~ and

a controlling unit determining whether a currently read area is the linking area based on the frame sync signal read by the optical pickup, and controlling a reproduction according to a result of the determination, ~~which links neighboring data sections of a data area, to reproduce the data.~~

40. (New) The apparatus of claim 39, wherein the controlling unit controls the reproduction such that data within the neighboring data sections of the data area is reproduced continuously if the controlling unit determines the currently the currently read area is not the linking area, and the data within the neighboring data sections of the data area is reproduced excluding the dummy data if the controlling unit determines the currently read area is the linking area.

41. (New) A recording medium, comprising:

a data area including at least two data sections, each data section including at least one sync signal; and

a linking area which links neighboring data sections of the data area and includes at least two linking frames, each linking frame including at least one frame sync signal and dummy data, wherein the sync signal precedes the dummy data in each linking frame of the linking area, and a size of the at least two linking frames is the same as that included in a write-once or rewritable medium.

42. (New) The method of claim 23, wherein the utilizing step comprises:
detecting the at least one frame sync signal included in the linking frame of the linking area; and
determining whether a currently read area is the linking area based on the detected frame sync signal.

43. (New) The method of claim 42, further comprising:
reproducing data within the neighboring data sections of the data area excluding the dummy data of a currently read area if the determining step determines the currently read area is the linking area.

44. (New) The method of claim 42, further comprising:
reproducing data within the neighboring data sections of the data area continuously if the determining step determines a currently read area is not the linking area.